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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	licant's 0269W	_	ent's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
	International application No. PCT/IB 03/02994			International filing date (day/month/year) Priority date (day/month/year) 01.07.2003 01.07.2002					
	mations 2Q1/6		nt Classification (IPC) or b	oth national classification a	national classification and IPC				
	Applicant PARTICLE SOLUTION AS et al. 1 and 2 and 3 an								
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.									
This REPORT consists of a total of 5 sheets, including this cover sheet.									
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which been amended and are the basis for this report and/or sheets containing rectifications made before this Aut (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							rectifications made before this Authority		
	The		nexes consist of a total						
3.	This report contains indications relating to the following items:								
		⊠	Basis of the opinion						
	11		Priority						
	111		-	opinion with regard to n	ovelty i	alty inventive step and industrial applicability			
	IV		Lack of unity of invent	•	oinion with regard to novelty, inventive step and industrial applicability				
	٧	\boxtimes	Reasoned statement		ith regar atement	d to novelty, ir	nventive step or industrial applicability;		
	VI		Certain documents cit	red					
	_			international application					
				on the international appl	lication				
	Date of submission of the demand 28.01.2004 Name and mailing address of the internation preliminary examining authority: European Patent Office					γ.			
Date				Date of	f completion of the	his report			
28.0					26.07	.2004			
			ining authority: ropean Patent Office	nal			Sententia Palacente.		
-	D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465			356 epmu d	Leber Teleph	;, T one No. +49 89	2399-7195		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IB 03/02994

 Basis of the 	e report
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	scription, Pages							
	1-23		Ç,	as originally filed					
	Cla	aims, Numbers	•• •••	manasalah sa ta ka p		19. 19.		• 1 • 5 - 1	
	1-5	55		as originally filed			,	4 3 4 5 4	
2.	Wit lan	th regard to the lang u guage in which the in	u age , all th nternations	he elements marke al application was fi	d above were avail led, unless otherwi	able or furnished se indicated und	l to this Authori er this item.	ity in the	
	The	These elements were available or furnished to this Authority in the following language: , which is:							
	the language of a translation furnished for the purposes of the					national search (under Rule 23.	1(b))	
		the language of publication of the international application (under Rule 48.3(b)).							
		the language of a tra Rule 55.2 and/or 55.	anslation (furnished for the pu	rposes of internation	onal preliminary e	examination (u	nder	
3.	Wit inte	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
		contained in the inte	ernational	application in writte	en form.		•		
		filed together with th				form.	•		
		furnished subsequer							
		furnished subsequer	ntly to this	his Authority in computer readable form.					
								closure	
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.							
4.	The	amendments have re	esulted in	the cancellation of	:				
		the description,	pages:						
		the claims,	Nos.:						
		the drawings,	sheets:						
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).							
(Any replacement sheet containing such amendments must be referred to und report.)						red to under iten	n 1 and annexe	ed to this	
6.	Add	itional observations, i	if necessa	nrv.					

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- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Noveity (N)

Yes: Claims

2-21,23-36,38-44,46-55

No: Claims

1,22,37,45

Inventive step (IS)

Yes: Claims

No: Claims

2-21,23-36,38-44,46-55

-- Industrial applicability (IA)

Yes: Claims

1-55

No: Claims

2. Citations and explanations

see separate sheet



Re Item V

Reasoned statement under Art 35(2) PCT with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1. Basis for the assessment of novelty, inventive step and industrial applicability
- 1.1 Reference is made to the following document:
 - D1: WO 01/71732 A (MANZ THOMAS ;QIAGEN GMBH (DE); FABIS ROLAND (DE); RITT CHRISTOPH () 27 September 2001 (2001-09-27)
- 1.2 The documents WO 03/004151 and WO 03/004150 cited in the international search report have an earlier priority date than the present application and their subject matter may therefore be of relevance for the examination of the present application in its regional or national phase.

2. Novelty

2.1 Document D1 discloses magnetic particles capable of binding a target substance, comprising ferro- or ferrimagnetic glass particles having a surface which promotes disaggregation of the particles in the presence of a liquid phase (D1, page 1, line 26 - page 2, line 17; page 7, lines 8-17; page 8, lines 23-lines 32). The latter feature is inherent to the material used in D1 (D1, page 8, lines 23-33; see the description on bridging paragraph page 6-7). Thus, claim 1 lacks novelty over D1 (Art 33(2) PCT).

D1 moreover discloses the preparation of the said magnetic particles (D1, Examples 1-3 on pages 14 and 15) and a method of their use for the separation of a target material (D1, page 16, "Example 6"; page 17, "Example 7"). Thus also independent claims 22, 37 and 45 lack novelty over D1 (Art 33(2) PCT).

3. Inventive step

3.1 Dependent claims 2-21, 23-36, 37-44 and 46-55 appear not to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the EPC with respect to inventive step in the light

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EXAMINATION REPORT - SEPARATE SHEET

of D1 in combination with the standard knowledge of the skilled person.

- Industrial applicability 4.
- 4.1 The subject-matter disclosed in the claims 1-55 of the present application appears to be industrially applicable (Art 33(4) PCT).

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